



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MEMORANDUM

To: See Distribution
From: Kevin Christensen, P.E.
Construction Engineer
Date: January 5, 2009
Subject: Supplemental Specification Addition: 304.03.1 Composition and Proportioning,
701.02.9 Aggregate for CTB

The Construction Administration Services Bureau is proposing changes to Standard Specifications, 304.03.1 Composition and Proportioning, 701.02.9 Aggregate for CTB, following the Standard Specification Revision Process outlined in the Construction Engineer's Memorandum dated May 2008. The following information is provided.

1. 304.03.1 Composition and Proportioning, 701.02.9 Aggregate for CTB will be modified.
2. The Proposed Draft of the change is attached along with this memorandum.
3. Revisions to the Standard Specifications are needed to redefine requirements for CTB aggregate.
4. Those impacted by the change include:
Construction, Contractors
5. The following individuals were consulted and/or involved in developing the proposed revisions:
CAS, CES Bureau, Materials

*It is requested that written comments on **the proposed revisions only**, be returned to mdtspecifications@mt.gov no later than 1-30, 2009.*

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304.03.1 (C) Aggregate. (Composition and Proportioning)

(Aggregate requirements are covered under 304.02.3 Aggregate. The Contractor does not submit a target gradation.)

Deleted: C. Aggregate. Establish a single value for each specified aggregate size within the job-mix target limits in Table 701-13 in Subsection 701.02.9 as the target aggregate gradations. Submit it to the Engineer for approval. The job mix tolerances will be applied to the approved target values for final acceptance.¶
Produce aggregates meeting the approved job-mix aggregate gradation.¶

701.02.9 Aggregate for Portland Cement Treated Base

Furnish aggregate for portland cement treated base; including added blending material, meeting Table 701-13 gradation requirements.

TABLE 701-13**TABLE OF GRADATIONS - AGGREGATE FOR CEMENT TREATED BASE**

PERCENTAGE BY WEIGHT PASSING SQUARE MESH SIEVES	
Sieve Size	<u>Percent Passing</u>
3/4 inch (19.0 mm)	100
No. 4 (4.75 mm)	40-70
No. 10 (2.00 mm)	25-55
No. 200 (0.075)	4-12

Deleted: Job Mix Target Limits

Meet the following requirements:

1. The maximum liquid limit and plasticity index for the material passing the No. 40 sieve must be 30 and 7 respectively; and
2. The material used to produce the aggregate must have a wear factor not exceeding 50 percent at 500 revolutions.